

## Abstract

This invention provides a novel compound which can be properly used as a surfactant, a method of producing a fluoropolymer, surfactant and a fluoropolymer aqueous dispersions using the novel compound.

This invention is a fluoroalkylcarboxylic acid derivative which is represented by the general formula (i):  
 $Rf^1(OCH_2CF_2CF_2)_{n1}OCX^1X^2CF_2(Rf^2)_{n2}COOM \quad (i)$

wherein  $Rf^1$  represents a straight or branched fluoroalkyl group containing 1 to 20 carbon atoms, which fluoroalkyl group may optionally contain 1 to 5 oxygen atoms in the principal chain thereof,  $Rf^2$  represents a straight or branched fluoroalkylene group containing 1 to 25 carbon atoms, said fluoroalkylene group may optionally contain 1 to 5 oxygen atoms in the principal chain thereof,  $n1$  represents an integer of 0 to 3,  $n2$  represents an integer of 0 or 1,  $X^1$  and  $X^2$  are the same or different and each represents hydrogen atom or fluorine atom, and  $M$  represents  $NH_4$  or a monovalent metal element.